**[0060]** FIG. **5**B illustrates a magnetic flux pattern of a segmented rotor switched reluctance machine according to an example embodiment;

**[0061]** FIG. **5**C illustrates a magnetic flux pattern of a segmented rotor switched reluctance machine according to an example embodiment;

**[0062]** FIG. **6**A illustrates a magnetic flux pattern of a segmented double rotor switched reluctance machine according to an example embodiment;

**[0063]** FIG. **6**B illustrates a magnetic flux pattern of a segmented double rotor switched reluctance machine according to an example embodiment;

segmented double rotor SRM

**[0064]** FIG. **7**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0065]** FIG. **7**B illustrates a longitudinal section view the switched reluctance machine of FIG. **7**A according to an example embodiment;

**[0066]** FIG. **8**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0067]** FIG. **8**B illustrates a longitudinal section view the switched reluctance machine of FIG. **8**A according to an example embodiment;

**[0068]** FIG. **9**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0069]** FIG. **9**B illustrates a longitudinal section view the switched reluctance machine of FIG. **9**A according to an example embodiment;

**[0070]** FIG. **10**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0071]** FIG. **10**B illustrates a longitudinal section view the switched reluctance machine of FIG. **10**A according to an example embodiment;

**[0072]** FIG. **11**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0073]** FIG. **11**B illustrates a longitudinal section view the switched reluctance machine of FIG. **11**A according to an example embodiment;

**[0074]** FIG. **12**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0075]** FIG. **12**B illustrates a longitudinal section view the switched reluctance machine of FIG. **12**A according to an example embodiment;

**[0076]** FIG. **13**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0077]** FIG. **13**B illustrates a longitudinal section view the switched reluctance machine of FIG. **13**A according to an example embodiment;

**[0078]** FIG. **14**A illustrates a segmented double rotor switched reluctance machine according to an example embodiment;

**[0079]** FIG. **14**B illustrates a longitudinal section view the switched reluctance machine of FIG. **14**A according to an example embodiment;

**[0080]** FIG. **15** illustrates a winding configuration of a segmented double rotor switched reluctance machine according to an example embodiment;

**[0081]** FIG. **16**A illustrates a half cross-sectional view of an isolated exterior segmented rotor switched reluctance machine according to an example embodiment;

**[0082]** FIG. **16**B illustrates a half cross-sectional view of an isolated interior segmented rotor switched reluctance machine according to an example embodiment;

**[0083]** FIG. **17**A illustrates a magnetic flux density plot of an isolated exterior segmented rotor switched reluctance machine according to an example embodiment;

**[0084]** FIG. **17**B illustrates a magnetic flux density plot of an exterior machine of a segmented double rotor switched reluctance machine according to an example embodiment;

**[0085]** FIG. **17**C illustrates a magnetic flux density plot of an exterior machine of a segmented double rotor switched reluctance machine according to another example embodiment;

**[0086]** FIG. **17**D illustrates a magnetic flux density plot of an isolated interior segmented rotor switched reluctance machine according to an example embodiment;

**[0087]** FIG. **17**E illustrates a magnetic flux density plot of an interior machine of a segmented double rotor switched reluctance machine according to an example embodiment;

**[0088]** FIG. **17**F illustrates a magnetic flux density plot of an interior machine of a segmented double rotor switched reluctance machine according to another example embodiment;

**[0089]** FIG. **18**A illustrates a graphical representation of a coupling effect of an exterior machine inductance when adjacent phases are excited according to an example embodiment;

**[0090]** FIG. **18**B illustrates a graphical representation of a coupling effect of an exterior machine inductance when same phases are excited according to an example embodiment;

**[0091]** FIG. **19**A illustrates a graphical representation of a coupling effect of an exterior machine torque when adjacent phases are excited according to an example embodiment;

**[0092]** FIG. **19**B illustrates a graphical representation of a coupling effect of an exterior machine torque when same phases are excited according to an example embodiment;

**[0093]** FIG. **20**A illustrates a graphical representation of a coupling effect of an interior machine inductance when adjacent phases are excited according to an example embodiment;

**[0094]** FIG. **20**B illustrates a graphical representation of a coupling effect of an interior machine inductance when same phases are excited according to an example embodiment;

**[0095]** FIG. **21**A illustrates a graphical representation of a coupling effect of an interior machine torque when adjacent phases are excited according to an example embodiment;

**[0096]** FIG. **21**B illustrates a graphical representation of a coupling effect of an interior machine torque when same phases are excited according to an example embodiment;

**[0097]** FIG. **22** illustrates a longitudinal section of a segmented double rotor segmented reluctance machine according to an example embodiment;

**[0098]** FIG. **23**A illustrates a graphical representation of a static torque measurement of an interior machine according to an example embodiment;

**[0099]** FIG. **23**B illustrates a graphical representation of a static torque measurement of an exterior machine according to an example embodiment;